

IMPROVED EXPRESSION OF GENES IN PLANTS

Abstract

5 A method for improving the expression of genes in  
plants making use of a pattern of codon usage discerned  
for native plant genes which express preferentially.  
The coding sequence of the gene for the Bacillus  
thuringiensis delta endotoxin crystal protein was  
analyzed and found to have codons not preferred by  
plants. By constructing a synthetic protein coding  
10 sequence including codons which are preferred in plant  
genes, expression of the protein in plant cells was  
improved.

NJS5/03

98